Acronyms

Checkout and Launch Control System (CLCS)

84K00240

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NOTE: See "**Supporting Document Note**" on following page

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Supporting Document Note:
Acronyms and definitions of many common CLCS terms may
be found in the following documents:
CLCS Acronyms 84K00240 and CLCS Project Glossary 84K00250.

REVISION HISTORY

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ACRONYMS

CHECKOUT AND LAUNCH CONTROL SYSTEM (CLCS)

1.   INTRODUCTION

1.1   SCOPE

This document identifies and defines the acronyms that are used throughout the Checkout and Launch Control System (CLCS). It is intended to provide clarification of meaning and promote the use of consistent terminology. These acronyms are used for all phases of the CLCS, from development through delivery and operation.

1.2   OVERVIEW

The CLCS replaces the Launch Processing System (LPS) with state-of-the-art Commercial Off the Shelf (COTS) based technology. CLCS provides support to the Space Shuttle Program into the 21st Century and a basic infrastructure upon which to base future design projects such as the Orbiter Upgrades and X-33/RLV.

2.   ACRONYM LIST

- A -
ACA   ADAS Command Application
ADAS   Advanced Data Acquisition System
AERO   Automated Electrical Retest Operations
ALS   Automated Logging System
AMRS   Automated Material Request System
ANSI   American National Standards Institute
AOS   Analog Overflow Signed
API   Application Program Interface
APU   Auxiliary Power Unit
ASM   Analog Serial Measurement
ATM   Asynchronous Transfer Mode
AWPS   Automated WAD Processing System

- B -
B/U   Backup
BCD   Binary Coded Decimal
BFL   Block Funnel Logged
BIN   Business and Information Network
BTU   Bus Terminal Unit

- C -
C&T   Communications and Tracking
CADS   Command and Data Simulator
CCC   Complex Control Center
CCMS   Checkout, Control, and Monitor Subsystem
CCP   Command and Control Processor
CCS   Complex Control Set
CDBFR   Common Data Buffer
CDS   Central Data Subsystem
CDT   Countdown Time
CEA   Common Equipment Area
CEU   Calibrated Engineering Units
CI   Configuration Item
CIE   Communications Interface Equipment
CITE   Cargo Integrated Test Equipment (Set)
CLCS   Checkout and Launch Control System
CM   Configuration Management
COTS   Commercial Off the Shelf
CPDS   Computer Program Development Specifications
CPU   Central Processor Unit
CRMP   Command and Real-Time Monitor Position
CRT   Cathode Ray Tube
CS   Consolidated Systems
CSC   Computer Software Component
CSCI   Computer Software Configuration Item
CVT   Current Value Table
CWLIS   Catenary Wire Lightning Instrumentation System

- D -
DAP   Data analysis and Presentation
D/L   Downlink
DBSAFE   Data Bank Shuttle Automated Function Executive

DCN	Display and Control Network
DD	Data Dictionary
DDP	Data Distribution Processor
DFRC	Dryden Flight Research Center (Set)
DIO	Direct Input/Output
DLES	DPS LCC Expert System
DPS	Data Processing System
DSR	Display Synchronous Rate

- E -

EDAMS	Engineering Data Access Management System
EDL	Engineering Development Laboratory
EIU	Engine Interface Unit
EU	Engineering Units

- F -

FCAP	Facility Condition Assessment Program
FD	Function Designator
FDDI	Fiber Distributed Data Interface
FDID	Function Designator ID
FEP	Front End Processor
FOTE	Fiber Optic Terminal Equipment
FTP	File Transfer Protocol
FZ	Flow Zone

- G -

GCP	Gateway Control Processor
GDB	Ground Data Bus
GLS	Ground Launch Sequence
GMS	Ground Measurement System
GMT	Greenwich Mean Time
GOAL	Ground Operations Aerospace Language
GPC	General Purpose Computer
GSE	Ground Support Equipment
GUI	Graphical User Interface
G/W	Gateway

- H -

HAZGAS	Hazardous Gas
HCI	Human Computer Interface
HGDS	Hazardous Gas Detection System
HIM	Hardware Interface Module
HMF	Hypergolic Maintenance Facility (Set)
HOSC	Huntsville Operations Support Center
HUMS	Hydrogen Umbilical Mass Spectrometer
HWCI	Hardware Configuration Item

- I -

IAPU	Improved Auxiliary Power Unit
IDE	Integrated Development Environment
IEEE	Institute of Electrical and Electronic Engineers
I/O	Input/Output
IP	Internet Protocol
IPR	Interim Problem Report
IRIG-B	Inter-Range Instrumentation Group Timing Standard
ISO	International Standards Organization
IVT	Interface Verification Testing
IWCS	Integrated Work Control System

- J -

JSC	Johnson Space Center

- K -

KATE	Knowledge-Based Autonomous Test Engineer
KATS	Kennedy Avionics Test Set
Kb	Kilo-bit
Kbs	Kilo-bits per second
KB	Kilo-Byte
KBS	Kilo-Bytes per Second
KEDS	Kennedy Electric Drawing System
KSC	Kennedy Space Center
KSDN	Kennedy Switched Data Network

- L -

LACD	Local Acquisition, Command, and Display Subsystem
LAN	Local Area Network
LATMOS	Lightning and Transients Monitoring System
LDBM	Launch Data Bus Monitor
LCC	Launch Control Center
LCC	Launch Commit Criteria
LDB	Launch Data Bus
LO_2	Liquid Oxygen
LOC	Lines of Code
LON	LPS Operational Network
LH_2	Liquid Hydrogen
LPS	Launch Processing System
LRU	Line Replaceable Unit
LS	Launch Sequence
LSDN	LPS Software Development Network
LIVIS	Lightning Induced Voltage Instrumentation System

- M -

Mb	Megabit
Mbs	Megabits per second
MB	Megabyte
MBs	Megabytes per Second
MCP	Model Control Procedure
MDM	Multiplexer/Demultiplexer
MDT	Measurement Descriptor Table
ME	Main Engine
MER	Mission Evaluation Room
MET	Mission Elapsed Time
MFSC	Marshall Space Flight Center
MILA	Merritt Island Launch Area
MM	Mass Memory
MMU	Mass Memory Unit
MOIR	Mission Operations Integration Room
MPT	Mini-Peripheral Test (Set)
msec	Millisecond
MTBF	Mean Time Between Failure
MTTR	Mean Time To Repair
MTTRes	Mean Time To Restore
MTU	Master Timing Unit

- N -

NASA	National Aeronautics and Space Administration
NFS	Network File System
NSP	Network Signal Processor

- O -

O&M	Operations and Maintenance
OCF	Orbiter Computational Facilities
OCR	Operations Control Room
OFI	Operational Flight Instrumentation
OIS	Operational Intercom System, also OI Standby (FEP)
OLDB	On Line Data Base
OLSA	Orbiter LPS Signal Adapter
OMI	Operations and Maintenance Instruction
OMRSD	Operations and Maintenance Requirements and Specification Documentation
OMS	Orbital Maneuvering System
OPF	Orbiter Processing Facility
ORT	Operational Readiness Test
OTV	Operational Television
OV	Orbiter Vehicle

- P -

PAMS	Portable Aft Mass Spectrometer
PCC	Processing Control Center
PCL	Prerequisite Control Logic
PCM	Pulse Coded Modulation
PCMMU	Pulse Coded Modulation Master Unit
pF	Pico-Farad
PFP	Programmable Function Panel
PLC	Programmable Logic Controller
PMS	Permanent Measurements System
POCC	Payload Operations Control Center
POSIX	Portable Operating system Interface
POST	Power On Self Test
ppm	Parts Per Million
PRACA	Problem Reporting and Corrective Action
PSCNI	Program Support Communications Network Internet

- Q -

- R -

RADS	Remote Acquisition and Display Subsystem
RAID	Redundant Array of Inexpensive Disks
RCS	Reaction Control System
RCVS	Remote Controlled Video Switch
RNET	Reconfiguration Network
RON	Restricted Operational Network
RPS	Record and Playback System
RSYS	Responsible System
RTCN	Real-Time Critical Network
RTPS	Real-Time Processing System
RTU	Remote Terminal Unit

- S -

SACS	Systems Software Avionics Command Support
SAIL	Shuttle Avionics Integration Laboratory (Set)
SBC	Single Board Computer
SCA	Sequence Control Assembly
SCAN	Shuttle Connector Analysis Network
SCID	System Configuration Identifier
SCSI	Small Computer System Interface
SCT	System Configuration Table
SDC	Shuttle Data Center
SDE	Satellite Development Environment

SDS	Shuttle Data Stream
SDT	Shuttle Data Tape
SECAS	Shuttle Engineering Computer Application System
SGOS	Shuttle Ground Operations Simulator
SIM	Simulation System
SIMS	Still Image Management System
SL	Space Lab
SLOC	Source Lines of Code
SL-GMS	Sherrill-Lubinski-Graphical Modeling System
SLP	SSME Load Program
SLS	System Level Specification
SLWT	Super Light Weight Tank
SODN	Shuttle Operations Data Network
SONET	Synchronous Optical Network
SPDMS	Shuttle Processing Data Management System
SPF	Software Production Facility
SRB	Solid Rocket Booster
SSC	Stennis Space Center
SSME	Space Shuttle Main Engine
SSPF	Space Station Processing Facility
SSR	System Synchronous Rate
STM	Synchronous Transfer Mode

- T -

TAB	TACAN Bearing (SDT Type)
TACAN	Tactical Air Navigation
TBD	To Be Determined
TCID	Test Control Identifier
TCMS	Test, Control and Monitor System
TCP	Transmission Control Protocol
TCS	Test Control Supervisor
TCS-1	Test Control Supervisor - Single Command
TCS-S	Test Control Supervisor - Sequence
TDM	Time Division Multiplexing
TEI	Test End Item
THDS	Time Homogenous Data Set

- U -

UOPS	Utility Outage Processing System
USCA	Universal Signal Conditioning Amplifier
UTC	Universal Time Coordinated

- V -

V&DA	Video and Data Assembly
VAB	Vehicle Assembly Building
VHMS	Vehicle Health Management System
VPF	Vertical Processing Facility
VSI	Video Simulation Interface
VTP	VME Telemetry Processor

- W -

WAN	Wide Area Network
W/S	Workstation

- X - Y - Z -